SEQUENCE LISTING

<110> Chicheportiche, Yves
Browning, Jeffrey

<120> Tumor Necrosis Factor Related Ligand

<130> A003

<140> 09/245,198
<141> 1999-02-05

<150> 60/023,541
<151> 1996-08-07

<150> 60/028,515
<151> 1996-10-18

<150> 60/040,820
<151> 1997-03-18

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ccgccgggag ccccctgaac tgaatcccca gacagaggaa agccaggatg tggtaccttt 180
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gcgctacgac cgccagattg gggaatttac agtcatcagg gctgggctct actacctgta 420
ctgtcaggtg cactttgatg agggaaaggc tgtctacctg aagctggact tgctggtgaa 480
cggtgtgctg gccctgcgct gcctggaaga attctcagcc acagcagcaa gctctcctgg 540
gccccagctc cgtttgtgcc aggtgtctgg gctgttgccg ctgcggccag ggtcttccct 600
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gacgtatcct tgctcttctt aacatcccat cccaccacaa ctatccacct cactagctcc 900
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ttgtgcacca ggcactgaga tgggctggac ctggtggcag gaagccagag aacctgggac 1020
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<210> 2
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<400> 2

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            20                  25                  30
Gln Glu Glu Leu Thr Ala Glu Asp Arg Arg Glu Pro Pro Glu Leu Asn
        35                  40                  45
Pro Gln Thr Glu Glu Ser Gln Asp Val Val Pro Phe Leu Glu Gln Leu
    50                  55                  60
Val Arg Pro Arg Arg Ser Ala Pro Lys Gly Arg Lys Ala Arg Pro Arg
65                  70                  75                  80
Arg Ala Ile Ala Ala His Tyr Glu Val His Pro Arg Pro Gly Gln Asp
                85                  90                  95
Gly Ala Gln Ala Gly Val Asp Gly Thr Val Ser Gly Trp Glu Glu Thr
            100                 105                 110
Lys Ile Asn Ser Ser Ser Pro Leu Arg Tyr Asp Arg Gln Ile Gly Glu
        115                 120                 125
Phe Thr Val Ile Arg Ala Gly Leu Tyr Tyr Leu Tyr Cys Gln Val His
    130                 135                 140
Phe Asp Glu Gly Lys Ala Val Tyr Leu Lys Leu Asp Leu Leu Val Asn
145                 150                 155                 160
Gly Val Leu Ala Leu Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala Ala
                165                 170                 175
Ser Ser Pro Gly Pro Gln Leu Arg Leu Cys Gln Val Ser Gly Leu Leu
            180                 185                 190
Pro Leu Arg Pro Gly Ser Ser Leu Arg Ile Arg Thr Leu Pro Trp Ala
        195                 200                 205
His Leu Lys Ala Ala Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln Val
    210                 215                 220
His
225
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<210> 3
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agccagaggc ggaggggcg ccgggggggag ccgggcaccg ccctgctggt cccgctcgcg 180
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caggacccgt cggaactgaa tccccagaca gaagaaagcc aggatcctgc gcctttcctg 360
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gcgatcgcag cccattatga agttcatcca cgacctggac aggacggagc gcaggcaggt 480
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cgacagctct ctgggcaccc ggtccccctct gccccaccct cagccgctct ttgctccaga 960
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<210> 4
<211> 284
<212> PRT
<213> homo sapien

<400> 4

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Arg	Ser	Leu	Gly	Ser	Arg	Asp	Gly	Gly	Ala	Val	Arg	Gln	Ala	Gln	Pro
			20					25					30		
Pro	Ala	Pro	Met	Ala	Ala	Arg	Arg	Ser	Gln	Arg	Arg	Arg	Gly	Arg	Arg
		35					40					45			
Gly	Glu	Pro	Gly	Thr	Ala	Leu	Leu	Val	Pro	Leu	Ala	Leu	Gly	Leu	Gly
	50					55					60				
Leu	Ala	Leu	Ala	Cys	Leu	Gly	Leu	Leu	Leu	Ala	Val	Val	Ser	Leu	Gly
65					70					75					80
Ser	Arg	Ala	Ser	Leu	Ser	Ala	Gln	Glu	Pro	Ala	Gln	Glu	Glu	Leu	Val
			85					90					95		
Ala	Glu	Glu	Asp	Gln	Asp	Pro	Ser	Glu	Leu	Asn	Pro	Gln	Thr	Glu	Glu
		100					105					110			
Ser	Gln	Asp	Pro	Ala	Pro	Phe	Leu	Asn	Arg	Leu	Val	Arg	Pro	Arg	Arg
	115					120					125				
Ser	Ala	Pro	Lys	Gly	Arg	Lys	Thr	Arg	Ala	Arg	Arg	Ala	Ile	Ala	Ala
130					135					140					
His	Tyr	Glu	Val	His	Pro	Arg	Pro	Gly	Gln	Asp	Gly	Ala	Gln	Ala	Gly
145					150					155					160
Val	Asp	Gly	Thr	Val	Ser	Gly	Trp	Glu	Glu	Ala	Arg	Ile	Asn	Ser	Ser
			165					170					175		
Ser	Pro	Leu	Arg	Tyr	Asn	Arg	Gln	Ile	Gly	Glu	Phe	Ile	Val	Thr	Arg
		180					185					190			
Ala	Gly	Leu	Tyr	Tyr	Leu	Tyr	Cys	Gln	Val	His	Phe	Asp	Glu	Gly	Lys
	195					200					205				

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Ala Val Tyr Leu Lys Leu Asp Leu Leu Val Asp Gly Val Leu Ala Leu
    210                 215                 220
Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala Ala Ser Ser Leu Gly Pro
225                 230                 235                 240
Gln Leu Arg Leu Cys Gln Val Ser Gly Leu Leu Ala Leu Arg Pro Gly
                245                 250                 255
Ser Ser Leu Arg Ile Arg Thr Leu Pro Trp Ala His Leu Lys Ala Ala
            260                 265                 270
Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln Val His
        275                 280
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<213> homo sapien

<400> 5
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<210> 6
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<400> 6
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<210> 7
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<400> 7
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tgatgagggg aaggctgtct 20

<210> 9
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agaccagggc ccctcagtga 20

<210> 10
<211> 18
<212> DNA
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<400> 10
gttccaggcc agcctggg 18

<210> 11
<211> 20
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<400> 11
tcaggtgcac tttgatgagg 20

<210> 12
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<400> 12
ctgtcagctc ctcctgag 18

<210> 13
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<400> 13
agcaggagcc ttctcaggag 20

<210> 14
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<400> 14
gatccaggga ggagcttgtc c 21

<210> 15
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<213> homo sapien

<400> 15
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<213> homo sapien

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agaccagggc ccctcagtga 20

<210> 17
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<400> 17
agtcgtccca ggctgccggc t 21

<210> 18
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<213> homo sapien

<400> 18
cctgaagtgg ggtcttctgg a 21

<210> 19
<211> 231
<212> PRT
<213> homo sapien

<400> 19

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Leu	Pro	Lys	Lys	Thr	Gly	Gly	Pro	Gln	Gly	Ser	Arg	Arg	Cys	Leu	Phe
		20					25					30			
Leu	Ser	Leu	Phe	Ser	Phe	Leu	Ile	Val	Ala	Gly	Ala	Thr	Thr	Leu	Phe
	35					40					45				
Cys	Leu	Leu	His	Phe	Gly	Val	Ile	Gly	Pro	Gln	Arg	Glu	Glu	Phe	Pro
50					55					60					
Arg	Asp	Leu	Ser	Leu	Ile	Ser	Ser	Pro	Leu	Ala	Gln	Ala	Val	Arg	Ser
65				70					75					80	
Ser	Ser	Arg	Thr	Pro	Ser	Asp	Lys	Pro	Val	Ala	His	Val	Val	Ala	Asn
			85					90					95		
Pro	Gln	Ala	Glu	Gly	Gln	Leu	Gln	Trp	Leu	Asn	Arg	Arg	Ala	Asn	Ala
		100					105					110			
Leu	Leu	Ala	Asn	Gly	Val	Glu	Leu	Arg	Asp	Asn	Gln	Leu	Val	Val	Pro
	115					120					125				
Ser	Glu	Gly	Leu	Ile	Tyr	Ser	Gln	Val	Leu	Phe	Gly	Gln	Gly	Cys	Pro
130					135					140					
Ser	Thr	His	Val	Leu	Leu	Thr	His	Thr	Ile	Ser	Arg	Ile	Ala	Val	Ser
145				150					155					160	
Tyr	Gln	Thr	Lys	Val	Asn	Leu	Leu	Ser	Ala	Ile	Lys	Ser	Pro	Cys	Gln
			165					170					175		
Arg	Glu	Thr	Pro	Glu	Gly	Ala	Glu	Ala	Lys	Pro	Trp	Tyr	Glu	Pro	Ile
		180					185					190			

Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser Ala
195 200 205
Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe Ala Glu Ser Gly Gln Val
210 215 220
Tyr Phe Gly Ile Ile Ala Leu
225 230

<210> 20
<211> 206
<212> PRT
<213> homo sapien

<400> 20
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1 5 10 15
Leu His Leu Leu Leu Leu Gly Leu Leu Leu Val Leu Leu Pro Gly Ala
20 25 30
Gln Gly Leu Pro Gly Val Gly Leu Thr Pro Ser Ala Ala Gln Thr Ala
35 40 45
Arg Gln His Pro Lys Met His Leu Ala His Thr Leu Lys Pro Ala Ala
50 55 60
His Leu Ile Gly Asp Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg Ala
65 70 75 80
Asn Thr Asp Arg Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn Asn
85 90 95
Ser Leu Leu Val Pro Thr Ser Gly Ile Tyr Phe Val Tyr Asn Ser Gln
100 105 110
Val Val Phe Ser Gly Lys Ala Tyr Ser Pro Lys Ala Thr Ser Ser Pro
115 120 125
Leu Tyr Leu Ala His Glu Val Gln Leu Phe Ser Ser Gln Tyr Pro Phe
130 135 140
His Val Pro Leu Leu Ser Ser Gln Lys Asn Val Tyr Pro Gly Leu Gln
145 150 155 160
Glu Pro Trp Leu His Ser Met Tyr His Gly Ala Ala Phe Gln Leu Thr
165 170 175
Gln Gly Asp Gln Leu Ser Thr His Thr Asp Gly Ile Gly Pro His Leu
180 185 190
Val Leu Ser Pro Ser Thr Val Phe Phe Gly Ala Phe Ala Leu
195 200 205

<210> 21
<211> 243
<212> PRT
<213> homo sapien

<400> 21
Met Gly Ala Leu Gly Leu Glu Gly Arg Gly Gly Arg Leu Gln Gly Arg
1 5 10 15
Gly Ser Leu Leu Leu Ala Val Ala Gly Ala Thr Ser Leu Val Thr Leu
20 25 30
Leu Leu Ala Val Pro Ile Thr Val Leu Ala Val Leu Ala Leu Val Pro

```
        35                  40                  45
Gln Asp Gln Gly Gly Leu Val Thr Glu Thr Ala Asp Pro Gly Ala Gln
    50                  55                  60
Ala Gln Gln Gly Leu Gly Phe Gln Lys Leu Pro Glu Glu Glu Pro Glu
65                  70                  75                  80
Thr Asp Leu Ser Pro Gly Leu Pro Ala Ala His Leu Ile Gly Ala Pro
                85                  90                  95
Leu Lys Gly Gln Gly Leu Gly Trp Glu Thr Thr Lys Glu Gln Ala Phe
            100                 105                 110
Leu Thr Ser Gly Thr Gln Phe Ser Asp Ala Glu Gly Leu Ala Leu Pro
        115                 120                 125
Gln Asp Gly Tyr Leu Tyr Thr Cys Leu Val Gly Tyr Arg Gly Arg Ala
    130                 135                 140
Pro Pro Gly Gly Gly Asp Pro Gln Gly Arg Ser Val Thr Leu Arg Ser
145                 150                 155                 160
Ser Leu Tyr Arg Ala Gly Gly Ala Tyr Gly Pro Gly Thr Pro Glu Leu
                165                 170                 175
Leu Leu Glu Gly Ala Glu Thr Val Thr Pro Val Leu Asp Pro Ala Arg
            180                 185                 190
Arg Gln Gly Tyr Gly Pro Leu Trp Tyr Thr Ser Val Gly Phe Gly Gly
        195                 200                 205
Leu Val Gln Leu Arg Arg Gly Glu Arg Val Tyr Val Asn Ile Ser His
    210                 215                 220
Pro Asp Met Val Asp Phe Ala Thr Gly Lys Thr Phe Phe Gly Ala Val
225                 230                 235                 240
Met Val Gly
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<210> 22
<211> 238
<212> PRT
<213> homo sapien

<400> 22

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Ala Pro Pro Gly Thr Val Leu Pro Cys Pro Thr Ser Val Pro Arg Arg
 1               5                  10                  15
Pro Gly Gln Arg Arg Pro Pro Pro Pro Pro Pro Pro Pro Pro Leu Pro
            20                  25                  30
Pro Pro Pro Pro Pro Pro Pro Leu Pro Pro Leu Pro Leu Pro Pro Leu
        35                  40                  45
Lys Lys Arg Gly Asn His Ser Thr Gly Leu Cys Leu Leu Val Met Phe
    50                  55                  60
Phe Met Val Leu Val Val Gly Leu Gly Leu Gly Leu Gly Met Phe Gln
65                  70                  75                  80
Leu Phe His Leu Gln Lys Glu Leu Ala Glu Leu Arg Glu Ser Thr Ser
                85                  90                  95
Gln Met His Thr Ala Ser Ser Leu Glu Lys Gln Ile Gly His Pro Ser
            100                 105                 110
Pro Pro Pro Glu Lys Lys Glu Leu Phe Lys Val Ala His Leu Thr Gly
        115                 120                 125
Lys Ser Asn Ser Arg Ser Met Pro Leu Glu Trp Glu Asp Thr Tyr Gly
```

```
    130                 135                 140
Ile Val Leu Leu Ser Gly Val Lys Tyr Lys Lys Gly Gly Leu Val Ile
145                 150                 155                 160
Asn Glu Thr Gly Phe Val Tyr Ser Lys Val Tyr Phe Arg Gly Gln Ser
                165                 170                 175
Cys Asn Asn Gln Pro Leu Ser Lys Val Tyr Met Arg Asn Ser Lys Tyr
            180                 185                 190
Pro Gln Asp Leu Val Met Met Gly Lys Asn Met Ser Tyr Cys Thr Thr
        195                 200                 205
Gly Gln Met Trp Ala Arg Ser Ser Tyr Leu Gly Ala Val Phe Asn Leu
    210                 215                 220
Thr Ser Ala Asp His Lys Tyr Val Asn Val Ser Glu Lys Leu
225                 230                 235
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<210> 23
<211> 283
<212> PRT
<213> homo sapien

<400> 23

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 1               5                  10                  15
Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala
            20                  25                  30
Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys
        35                  40                  45
Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr
    50                  55                  60
Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val
65                  70                  75                  80
Lys Trp Gln Val Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Met Ile
                85                  90                  95
Leu Arg Thr Ser Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln
            100                 105                 110
Asn Ile Ser Pro Leu Val Arg Glu Arg Gly Pro Gln Arg Val Ala Ala
        115                 120                 125
His Ile Thr Gly Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn
    130                 135                 140
Ser Lys Asn Glu Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser
145                 150                 155                 160
Ser Arg Ser Gly His Ser Phe Leu Ser Asn Leu His Leu Arg Asn Gly
                165                 170                 175
Glu Leu Val Ile His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr
            180                 185                 190
Tyr Phe Arg Phe Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys
        195                 200                 205
Gln Met Val Val Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile
    210                 215                 220
Leu Leu Met Lys Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu
225                 230                 235                 240
Tyr Gly Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp
```

```
                245                 250                 255
Arg Ile Phe Val Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His
            260                 265                 270
Glu Ala Ser Phe Phe Gly Ala Phe Leu Val Gly
        275                 280
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<210> 24
<211> 191
<212> PRT
<213> homo sapien

<400> 24

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Met Pro Glu Glu Gly Ser Gly Cys Ser Val Arg Arg Arg Pro Tyr Gly
 1               5                  10                  15
Cys Val Leu Arg Ala Ala Leu Val Pro Leu Val Ala Gly Leu Val Ile
            20                  25                  30
Cys Leu Val Val Cys Ile Gln Arg Phe Ala Gln Ala Gln Gln Gln Leu
        35                  40                  45
Pro Leu Glu Ser Leu Gly Trp Asp Val Ala Glu Leu Gln Leu Asn His
    50                  55                  60
Thr Gly Pro Gln Gln Asp Pro Arg Leu Tyr Trp Gln Gly Gly Pro Ala
65                  70                  75                  80
Leu Gly Arg Ser Phe Leu His Gly Pro Glu Leu Asp Lys Gly Gln Leu
                85                  90                  95
Arg Ile His Arg Asp Gly Ile Tyr Met Val His Ile Gln Val Thr Leu
            100                 105                 110
Ala Ile Cys Ser Ser Thr Thr Ala Ser Arg His His Pro Thr Thr Leu
        115                 120                 125
Ala Val Gly Ile Cys Ser Pro Ala Ser Arg Ser Ile Ser Leu Leu Arg
    130                 135                 140
Leu Ser Phe His Gln Gly Cys Thr Ile Val Ser Gln Arg Leu Thr Pro
145                 150                 155                 160
Leu Arg Asp Thr Leu Cys Thr Asn Leu Thr Gly Thr Leu Leu Pro Ser
                165                 170                 175
Arg Asn Thr Asp Glu Thr Phe Phe Gly Val Gln Trp Val Arg Pro
            180                 185                 190
```

<210> 25
<211> 229
<212> PRT
<213> homo sapien

<400> 25

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Met Asp Pro Gly Leu Gln Gln Ala Leu Asn Gly Met Ala Pro Pro Gly
 1               5                  10                  15
Asp Thr Ala Met His Val Pro Ala Gly Ser Val Ala Ser His Leu Gly
            20                  25                  30
Thr Thr Ser Arg Ser Tyr Phe Tyr Leu Thr Thr Ala Thr Leu Ala Leu
        35                  40                  45
Cys Leu Val Phe Thr Val Ala Thr Ile Met Val Leu Val Val Gln Arg
    50                  55                  60
```

```
Thr Asp Ser Ile Pro Asn Ser Pro Asp Asn Val Pro Leu Lys Gly Gly
65                  70                  75                  80
Asn Cys Ser Glu Asp Leu Leu Cys Ile Leu Lys Arg Ala Pro Phe Lys
                85                  90                  95
Ser Trp Ala Tyr Leu Gln Val Ala Lys His Leu Asn Lys Thr Lys Leu
            100                 105                 110
Ser Trp Asn Lys Asp Gly Ile Leu His Gly Val Arg Tyr Gln Asp Gly
        115                 120                 125
Asn Leu Val Ile Gln Phe Pro Gly Phe Ile Ile Cys Gln Leu Gln Phe
    130                 135                 140
Leu Val Gln Cys Pro Asn Asn Ser Val Asp Leu Lys Leu Glu Leu Leu
145                 150                 155                 160
Ile Asn Lys His Ile Lys Lys Gln Ala Leu Val Thr Val Cys Glu Ser
                165                 170                 175
Gly Met Gln Thr Lys His Val Tyr Gln Asn Leu Ser Gln Phe Leu Leu
            180                 185                 190
Asp Tyr Leu Gln Val Asn Thr Thr Ile Ser Val Asn Val Asp Thr Phe
        195                 200                 205
Gln Tyr Ile Asp Thr Ser Thr Phe Pro Leu Glu Asn Val Leu Ser Ile
    210                 215                 220
Phe Lys Asn Ser Asp
225
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<210> 26
<211> 257
<212> PRT
<213> homo sapien

<400> 26

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Met Ile Glu Thr Tyr Asn Gln Thr Ser Pro Arg Ser Ala Ala Thr Gly
 1               5                  10                  15
Leu Pro Ile Ser Met Lys Ile Phe Met Tyr Leu Leu Thr Val Phe Leu
            20                  25                  30
Ile Thr Met Ile Gly Ser Ala Leu Phe Ala Val Tyr Leu His Arg Arg
        35                  40                  45
Leu Asp Lys Ile Glu Asp Glu Arg Asn Leu His Glu Asp Phe Val Phe
    50                  55                  60
Met Lys Thr Ile Gln Arg Cys Asn Thr Gly Glu Arg Ser Leu Ser Leu
65                  70                  75                  80
Leu Asn Cys Glu Glu Ile Lys Ser Gln Phe Glu Gly Phe Val Asp Ile
                85                  90                  95
Met Leu Asn Lys Glu Glu Thr Lys Lys Glu Asn Ser Phe Glu Met Gln
            100                 105                 110
Lys Gly Asp Gln Asn Pro Gln Ile Ala Ala His Val Ile Ser Glu Ala
        115                 120                 125
Ser Ser Lys Thr Thr Ser Val Leu Gln Trp Ala Glu Lys Gly Tyr Tyr
    130                 135                 140
Thr Met Ser Asn Asn Leu Val Thr Leu Glu Asn Gly Lys Gln Leu Thr
145                 150                 155                 160
Val Lys Arg Gln Gly Tyr Ile Tyr Ala Gln Val Thr Phe Cys Ser Asn
                165                 170                 175
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Arg Glu Ala Ser Ser Gln Ala Pro Phe Ile Ala Ser Leu Cys Leu Lys
180 185 190
Ser Pro Gly Arg Phe Glu Arg Ile Leu Leu Arg Ala Ala Asn Thr His
195 200 205
Ser Ser Ala Lys Pro Cys Gly Gln Gln Ser Ile His Leu Gly Gly Val
210 215 220
Phe Glu Leu Gln Pro Gly Ala Ser Val Phe Val Asn Val Thr Asp Pro
225 230 235 240
Ser Gln Val Ser His Gly Thr Gly Phe Thr Ser Phe Gly Leu Leu Lys
245 250 255
Leu

<210> 27
<211> 253
<212> PRT
<213> homo sapien

<400> 27
Met Glu Tyr Ala Ser Asp Ala Ser Leu Asp Pro Glu Ala Pro Trp Pro
1 5 10 15
Pro Ala Pro Arg Ala Arg Ala Cys Arg Val Leu Pro Trp Ala Leu Val
20 25 30
Ala Gly Leu Leu Leu Leu Leu Ala Ala Ala Cys Val Pro Ala Val Phe
35 40 45
Leu Ala Cys Pro Trp Ala Val Ser Gly Ala Arg Ala Ser Pro Ser Gly
50 55 60
Ser Ala Ala Ser Pro Arg Leu Arg Glu Gly Pro Glu Leu Ser Pro Asp
65 70 75 80
Asp Pro Ala Gly Leu Leu Asp Leu Arg Gln Gly Met Phe Ala Gln Leu
85 90 95
Val Ala Gln Asn Val Leu Leu Ile Asp Gly Pro Leu Ser Trp Tyr Ser
100 105 110
Asp Asp Gly Ala Gly Ser Ser Tyr Leu Ser Gln Gly Leu Arg Tyr Glu
115 120 125
Glu Asp Lys Lys Glu Leu Val Val Asp Ser Pro Gly Leu Tyr Tyr Val
130 135 140
Phe Leu Glu Leu Lys Leu Ser Pro Thr Phe Thr Asn Thr Gly His Lys
145 150 155 160
Val Gln Gly Trp Val Ser Leu Val Leu Gln Ala Lys Pro Gln Val Asp
165 170 175
Asp Phe Asp Asn Leu Ala Leu Thr Val Glu Leu Phe Pro Cys Ser Met
180 185 190
Glu Asn Lys Leu Val Asp Arg Ser Trp Ser Gln Leu Leu Leu Leu Lys
195 200 205
Ala Gly His Arg Leu Ser Val Gly Leu Arg Ala Tyr Leu His Gly Ala
210 215 220
Gln Asp Ala Tyr Arg Asp Trp Glu Leu Ser Tyr Pro Asn Thr Thr Ser
225 230 235 240
Phe Gly Leu Phe Leu Val Lys Pro Asp Asn Pro Trp Glu
245 250